

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are require

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

Complete if Known				
Application Number	09/674,068-Conf. #9269			
Filing Date	April 6, 2001			
First Named Inventor Takuma Hiramatsu				
Art Unit	2633			
Examiner Name	Bello, Agustin			
Attorney Docket Number	55340-RCE (70840)			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	•			•		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.'	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ³ (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
					<u> </u>	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Mind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

	NON PATENT LITERATURE DOCUMENTS				
Examiner Cite Initials No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
B	CA	K. Iversen, et al. "Application of Algorithms for DOA Estimation and Beamforming to Infrared Photodiode Arrays", Acoustics, Speech and Signal Processing, 1997, 1997 IEEE International Conference on Munich, Germany, 21-24 April 1997, Los Alamitos, CA USA, IEEE Comput. Soc, US, Vol. 5, 21 April 1997 pp. 4053-4056.	1		
3	СВ	A. P. Tang, et al., "Wireless Infrared Communication Links Using Multi-Beam Transmitters and Imaging Receivers", 1996 IEEE International Conference on Communications, Converging Technologies for Tomorrow's Applications, Dallas, 23-27 June 1996, IEEE International Conference on Communication, New York, IEEE, US, Vol. 1, 23 June 1996, pp. 180-186.	1		
*	CC	D. P. Johnson, et al., "Free-Space Infrared Local Area Network (FIRLAN)", Optical Engineering, Soc. of Photo-Optical Instrumentation Engineers, Bellingham, US, Vol. 32, No. 9, 1 September 1993, pp. 2114-2117,	1		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner 12 000	Date	2615
Signature / LUO	Considered	14/8/03

^{&#}x27;Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.